

Log of Borehole

Project <u>Vandenberg</u>				8" Hole Depth <u>29½ feet</u>		START <u>7/8/87</u> FINISH <u>7/8/87</u>	
Location <u>Site #20 LF-1</u>				12" Hole Depth <u>27 feet</u>		Date <u>7/8/87</u> <u>7/8/87</u>	
Geologic Log by <u>Doornbos</u>				Depth to Water <u>6.2 feet</u>		Time <u>1336</u> <u>1445</u>	
Driller <u>Fred Carey (Baylik)</u>				Rig <u>CME 55 ATV</u>		How Left <u>Locked,</u>	
Drilling Method <u>Hollow-stem Auger</u>				Bit(s) <u>Finger-tooth Auger Bit</u>		<u>above-ground</u>	
Weather <u>Overcast/Cool/Slight Wind</u>				TOC Elevation <u>251.4 feet</u>		<u>well completion,</u>	

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample		Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
				#	Interval			
0								
							3'-4½': Sand (98% sand), fine grained, well sorted, predominately quartz and feldspar with moderate mafics, subangular, very loose compaction, 3'-4' is moist, 4'-4½' is very moist, black (10YR 2/1). (SP)	85%
5	1,2,2	0.0	0.0		3-4½			
							8½'-10': Sand (98%), fine grained, same as above except sample is completely saturated, slight increase in silt (±5%), dark gray (5Y 4/1), 4' noticed moisture in the cuttings. (SP)	100%
10	2,2,3	0.0	0.0		8-9½			
							13'-14½': Sand (90%), fine grained, same as above except 10% silt size particles filling the interstitial voids, completely saturated, predominately quartz grains. (SP)	
15	2,2,4	0.2	0.0		13-14½			
							18'-19½': Sand (95%), fine- to medium-grained, same as above except very uniform, saturated, predominately subrounded quartz grains, very minor mafics, dark gray (7.5YR 4/0). (SP)	50%
20	3,4,6	0.6	0.0		18-19½			
							23'-24½': Sand (95%), same as above except occasional pods of diatomite fragments, possibly getting close to bedrock. (SP)	
25	2,4,8	5.0	0.0		23-24½			
							28'-29': Sand, same as above except occasional diatomite fragments. (SP)	
30	2,4,12	14.0	0.0		28-29½		29'-29½': Clayey sand (85%), fine grained, well sorted, 15% silt and clay size particles, predominately quartz, occasional diatomite fragments, subrounded, moderate compaction, dark gray (7.5YR 4/0). (SC)	100%